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Serial No: 09/776,688
Amendment Filed on: February 12, 2003

IN THE CLAIMS

Please amend the claims as follows:

--1. (Three Times Amended) A high voltage resistance, comprising:

at least one support and a flat conductor with length L, width ℓ and a thickness e fixed to the support and with a given resistivity ρ ,

wherein the value R of the resistance being equal to $\rho L/\ell e$, the value of the length L, width ℓ , and the thickness e being defined such that a mass of the flat conductor can [resists] resist electrical arcing up to [without exceeding] 300°C .

Claims 15-17 (Canceled).

18. (Amended) A high voltage resistance, comprising:

at least one support and a flat conductor with length L, width ℓ and thickness e fixed to the support and with a given resistivity ρ ,

wherein the value R of the resistance being equal to $\rho L/\ell e$, the value of the length L, width ℓ , and the thickness e being defined such that a mass of the flat conductor can [resists] resist electrical arcing [without exceeding a given temperature] up to 300°C ,

wherein said resistance is folded on itself.--

31-32. (New).